

~~BC734 (PDGFAB, insert)~~

CTCGAGCAATTCCCCTGAAATTGCCGCCACAGGAGACCGGCTGGAGCG  
CCCGCCCCGCCTCGCCTCTCCTCGAGCAGCCAGCGCCTCGGGACGC  
GATGAGGACCTTGGCTTGCTGCTCTCGGCTGCGGATAACCTCGCCCA  
TGTTCTGGCCGAGGAAGCCGAGATCCCCCGCAGGGTGTGAGAGAGGCTGG  
CCCGCAGTCAGATCCACAGCATCCGGGACCTCCAGCGACTCCTGGAGAGATA  
GAATCCGTAGGGAGTGTGAGGATTCTTGGACACCAGCCTGAGAGCTCACGG  
GGTCCACGCCACTAAGCATGTGCCGAGAACGCGCCCTGCCATTGGAA  
GGAAGAGAAGCATCGAGGAAGCTGTCCCCGCTGTCTGCAAGACCAGGACG  
GTCATTACGAGATTCTCGGAGTCAGGTGACCCCCACGTCCGCCAACTTC  
CTGATCTGGCCCCCGTGCCTGGAGGTGAAACGCTGCACGGCTGCTGCAA  
CACGAGCAGTGTCAACTGCCAGCCCTCCCGCTCACCACCGCAGCGTCA  
AGGTGGCCAAGGTGGAATACGTCAGGAAGAACAAAATTAAAAGAAGTCC  
AGGTGAGGTTAGAGGAGATTGGAGTGCCTGCGCACCACAAGCCTG  
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AGCCCTTCTGGGACATGGATGTGGGATCCGTCGACCTGCAGCCAAGCT  
AAAAACAGCTCTGGGTTGTACCCACCCAGAGGCCACGTGGCGGCTAG  
TAATCCGGTATTGCGGTACCCCTACGCTGTTTATACCTCCCTTCCGTA  
ACTTAGACGCACAAACCAAGTTCAATAGAAGGGGGTACAAACCAAGTACCA  
CCACGAACAAGCACTCTGTTCCCGGTGATGTCGTATAAGACTGCTTGCCT  
GGTGAAGCGACGGATCCGTTATCCGTTATGTACTTCGAGAACGCCAGT  
ACCACCTCGGAATCTCGATGCGTGCCTCAGCACTCAACCCAGAGTGT  
AGCTTAGGCTGATGAGTCTGGACATCCCTCACCGGTGACGGTGGTCCAGG  
CTGCGTTGGCGGCCTACCTATGGCTAACGCCATGGACGCTAGTTGTGAAC  
AAGGTGTGAAGAGCCTATTGAGCTACATAAGAATCTCCGGCCCTGAATG  
CGGCTAACCTAACCTCGGAGCAGGTGGTCACAAACCAAGTGTGATTGGCCTGT  
CGTAACCGCGCAAGTCCGTGGCGGAACCGACTACTTGGGTGTCCGTGTTTC  
CTTTTATTATTGTGGCTGCTTATGGTACAATCACAGATTGTTATCATAAA  
GCGAATTGGATTGCGGCCGTCAGCCTGTTCTTTTGAGAACGCTCAGAA  
TAAACGCTCAACTTGGCGCCGGCCCGGAATTGAGCTGCCCGGGGAT  
CCTCTAGAGTCGACACCAGTGAATCGCTGCTGGCGCTTCTGTCTCT  
GCTGCTACCTGCGTCTGGTCAGCGCCGAGGGGGACCCATTCCGAGGAG  
CTTATGAGATGCTGAGTGTACTCGATCCGCTCTTGATGATCTCCAAAC  
GCCTGCTGCACGGAGACCCCGGAGAGGAAGATGGGGCCGAGTTGGACCT  
GAACATGACCCGCTCCACTCTGGAGGCGAGCTGGAGAGACCTGGCTCGT  
GAAGAAGGAGCCTGGGTTCCCTGACCATTGCTGAGCCGCCATGATGCC  
GAGTGAAGACCGCGCACCGAGGGTTCGAGATCTCCCGGCCCTGTGTGAGGTGCAGC  
CCGCACCAACGCCAACTCCTGGTGTGGCGCCCTGTGTGAGGTGCAGC  
GCTGCTCCGGCTGCTGCAACACCGCAACGTGCACTGCGCCGCCACCCAG  
GTGCAGCTGCGACCTGTCCAGGTGAGAAAGATGAGATTGTGCGGAAGAA  
GCCAATCTTAAGAAGGCCACGGTACGCTGGAAGAACACCACCTGGCATGCAA  
GTGTGAGACAGTGGCAGCTGCACGGCCTGTGACCTGATAACCGGAAGCTC  
TCGAG

BC 701:

CTCGAGAATTGAGCTGCCGGGATCCCTAGAGTCGACACCATGAATC  
GCTGCTGGCGCTCTCCTGTCTCTGCTGCTACCTGCGTCTGGTCAGCG  
CCGAGGGGGACCCATTCCCGAGGGAGCTTATGAGATGCTGAGTGATCACT  
CGATCCGCTCTTGATGATCTCAACGCCCTGCGACGGAGACCCCGGAG

Figure 1A

AGGAAGATGGGGCCGAGTTGGACCTGAACATGACCGCTCCACTCTGGA  
GGCGAGCTGGAGAGCTTGGCTCGTGGAAAGAAGGAGCCTGGGTCCCTGAC  
CATTGCTGAGCCGGCCATGATGCCGAGTGCAAGACGCGCACCGAGGTGT  
TCGAGATCTCCCGGCCATAGACCGCACCAACGCCAATTCCCTGGTGT  
GGCCGCCCTGTGTGGAGGTGCAGCGCTGCTCCGGTGTGCAACAACCAC  
AACGTGCAGTGCCGCCCCACCCAGGTGCAGCTGCCACCTGTCCAGGTGAG  
AAAGATCGAGATTGTGCGGAAGAAGCCAATCTTAAGAAGGCCACGGTGAC  
GCTGGAAGACCACCTGGCATGCAAGTGTGAGACAGTGGCAGCTGCACGGC  
CTGTGACCTGATAACCGGAAGCTCTCGAG

BC450:

Sal I

GTCGACTCTAGAGGGACAGCCCCCCCCAAAGCCCCCAGGGATGTAATTA  
CGT  
CCCTCCCCCGCTAGGGGCAGCAGCGAGCCGCCGGGCTCCGCTCCGGT  
CCGGCGCTCCCCCGCATCCCCGAGCCGGCAGCGTGCAGGGACAGCCCG  
GGCACGGGGAAAGGTGGCACGGGATCGCTTCTCTGAACGCTTCTCGCTG  
CTCTTGAGCCTGCAGACACCTGGGGGATACGGGAAAAGCTTAGGCT  
GAAAGAGAGATTAGAATGACAGAATCATAGAACGGCCTGGGTGCAAAGG  
AGCACAGTGCATCCAGATCCAACCCCCCTGCTATGTGCAGGGTCAAC  
CAGCAGCCCAGGCTGCCAGAGCCACATCCAGCCTGGCCTGAAATGCC  
CAGGGATGGGCATCCACAGCCTGGCAACCTGTTAGTGCAC  
CACCTCTGGGGAAAACGCTCCTCATATCCAACCAAACCTCCCCTG  
TCTCAGTGTAAAGCCATTCCCCCTGTCTTATCAAGGGGAGTTGCTGTGA  
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GGCAGATCTTGGGATAAGGAAGTGCAGGACAGCATGGACGTGGACATG  
CAGGTGTTGAGGGCTCTGGACACTCTCCAAGTCAGCAGCGTTAGAACAGC  
CTTAAGGATAAGAAGATAGGATAGAAGGACAAAGAGCAAGTTAAAACCC  
CATGGAGAGGAGCACAAAAAGGCCACAGACACTGCTGGTCCCTGTCTGA  
GCCTGCATGTTGATGGTGTGGATGCAAGCAGAAGGGTGGAAAGAGCTT  
GCCTGGAGAGATACAGCTGGGTCACTAGGACTGGGACAGGCAGCTGGAGA  
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GTCCCTCAGTGCCACATCCCCACAGTTCTCATCACCTCCAGGGACGGTGA  
CCCCCCCACCTCCGTGGCAGCTGTGCCACTGCAGCACCGCTTTGGAG  
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CCATTATCTCTCATCCAACCTCAGGACGGAGTCAGTGAGGATGGGCTCTA  
GAGGGACAGCCCCCCCCAAAGCCCCCAGGGATGTAATTACGTCCCTCCC  
CCGCTAGGGGCAGCAGCGAGCCGCCGGGCTCCGCTCCGGTCCGGCGC  
TCCCCCGCATCCCCGAGCCGGCAGCGTGCAGGGACAGCCGGGACCG  
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GGGGGAAAAGCTGCCCTCATATCCAACCAAACCTCCCTGTCTCAGTG  
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GTGCCACATCCCCACAGTTCTTCATCACCTCCAGGGACGGTGACCCCCCA  
CCTCCGTGGGCAGCTGTGCCACTGCAGCACCGCTTTGGAGAAGGTAAAT  
CTTGCTAAATCCAGCCCACCCCTGGCACAACGTAAGGCCATTATCT  
CTCATCCAACCTCCAGGAACGGAGTCAGTGAGGATGGGCTCTAGAGGATC  
CCTCGACCTGCAGGTCAACGGATCACAAACAAACTGGAAAATTCTCAAGAG  
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TAGTACATAATACAAAATGCCAGGCTGGATGAATCGCAAGCTGGAATCAAGA  
TTTCTGGGAGAAAATATCAATAAACGAGATACAAAGATAACCCACACTTATGG  
CAGAAAACTAAGAAGAACTAAAGAGCCTTGTGATGAAAGTGAAGAGGAGA  
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CCTTGGAAAGAGAAGCTATTACCAAACTAGAAAGCATATTAAAAGCAGAGAC  
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CTGGTCTGCTGCAGTCCATGGGTTGCAAAGAGTCGGTCTCAAATGAGTAA  
CTAAACAACCAACCAAGCAGTAGAAAAATAAAATTGTCTCTGAGATCTC  
AGTACCTCTTCTGTGCATATCCGTCTCTGTTATTGTACCTTGTCTGCT  
TGTAAATAAGCTGCTGTGTTAGTAAATCTGTTGGTCTCTGAATTCTTT  
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TACAGAGAATAAAAGAAGGGAGAAATTATGTGCAAGTTCTCTCATCTCCT  
GCTTCTCATTTAAAGATTCTACCTCAGTGGGGCTAAAACACATTTAA  
CAGTAGCAAAACCAATATTCCATAGCTCTTAGGAAACCATTTTATACTC  
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GAAGGCCAACCATAGAAAAGAGGAAGAAAATAGGCCACATACTGTGCTTC  
CCCCATAGCTCAGTTGGTAAAGAATCTACCTACAATGCAGGAGGCCCTGGC  
TTGATCCCTGGTAAGGGAGATCCCTGGAGAAGGAAATGTAACCCACTC  
CACTACTCTGGCTGTAAATCCATGGACGGAGGAGCCTGGCAGCTACAGC  
CTTGGGGTGGCAAGAGTGGACATGATTAACAACAACTAAACCACTGCCACCAC  
TCCACATACTGAGTGTCCCCAGTGGCACTAGTGGTAAAGAACCACTGCC  
GGTGCAGAACATTAAGACACTGGCTCTATCCCTGCTGGGAAGTAGGG  
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AAATCCCATGAATGAAGACTGGGGCTGTAGTAACGGGGTCAAAAGAG  
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GTAATATCTCATTGCAATTGTTACTACAATTATTATACAAAATACTATT  
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CAATATGTAAGCATCTCCTGAGAAAATAAGGAAATGTTGAATGGGAA  
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GCCTTGGCCACCAAAAGCTAACAAATAAGGCATATGAAGTAGCCAAGGCC  
TTTTCTAGTTATATCTATGACACTGAGTTCATTCATCATTATTCTGACT  
TCCTCCTGGGTCCATATGAGCAGTCTTAGAATATTAGCTGAATAATCC

Figure 1c

AAATACATAGTAGATGTTGATTGGGTTTCTAACGCAATCCAAGACTGTATG  
ACAGTAAGATGTATTACCATCCAACACACATCTCAGCATGATATAATGCAA  
GGTATATTGTGAAGAAAAATTCTAATTATGTCAAAGTGCTTACTTTAGAAGG  
TCATCTATCTGCCAACAGCTGTGAATATATATATTGAAGGTAATGAATAGAT  
GAAGCTAACCTGTAAAAATGAGTAGTGAAATACAACATACAATTATGAAC  
ATCTGTCACAAAGAGGCAAAGAAACTTGAAAGATTGCTTGCACATGGGCT  
CCTATTAACTAAAGACTTTGAGGTCTGGCTCAGACTCTATTGTAGTACCT  
AGGGTAAGACCCCTCCTCTGTATGGGCTTCACTTCTTCTGCCTCCCTC  
ATTTGCCCTTCCATGAATACTAGCTGATAAACATTGACTATAAAAGATATGAG  
GCCAAACTTGAGCTGCCATTAAATCTGTATAAAATAATATTGTTCTA  
AAAAAGTATTATCTAAATAATGTTACTTCTGTCTAAAATCCCTCAACAAAT  
CCCCACTATCTAGAGAATAAGATTGACATTCCCTGGAATCACAGCATGCTT  
GTCTGCCATTATCTGACCCCTTCTCTTCTCTCTCACCTCCATCTACTC  
CTTTTCTTGCAATTCTAGACCCAGATTCACTGTTGATTGGCTTGATGT  
GTGTGTGCTGAGTTGCGTCTGACTGTTATCAACCCATGAATGATAGTCCAC  
CAGGCTCTACTGTCCATGAAATTCCAGTCAGAATACTGGAGTGGATTGC  
ATTTCCTACTCCATTGATTAATTAGTGACTIONTAAATTCTTTCCATATTG  
GGGAGCCTATTCTCCTTTAGTCTATACTCTCTCACTCTCAGGTCTAAG  
GTATCATCGTGTGCTGTTAGCTTGTACTTCTCCATTATAGCTAACGACT  
AACAACTGTTAGGTTGGCATGAAATTGTGTTCTTGTGTTGGCCTGTATATT  
CTGTTGTGTTAGAATTACCCCAAGATCTCAAAGACCCACTGAATACTAAA  
GAGACCTATTGTTGTTACAATAATTGGGACTGGGCAAAACTCCGTG  
CATCCCAGCCAAGATCTGAGCTACTGGACAATTCTATTCCCTTATCAGATT  
GTGAGTTATTCTGTTAAATGCTCCCCAGAATTCTGGGGACAGAAAAATA  
GGAAGAATTCTATTCTAATCATGCAGATTCTAGGAATTCAAATCCACTGTT  
GGTTTATTCTAAACCACAAAATTAGCATGCCATTAAATACTATATAAAACA  
GCCACTAAATCAGATCATTATCCATTCACTCTCCTTCACTCTCTCCTCT  
ACTTTGGAAAAAAGGTAAGAATCTCAGATATAATTCTAGTGTATCTGCTACTC  
ATCTTATTGGACTAGGTTAAATGTAGAAAGAACATAATTGCTTAAATA  
GATCTAAAAATAAGGGTGTAAAGATAAGGTTACACTATTTCAGCAGATA  
TGTAAAAAATAGAAGTGACTIONTAAATTAGTGACTIONTAAATTAGTGA  
AATGTTTAGGAATATAAAAGATATAAAACAGTGGTGTATTCTTTAG  
ACAAGACTAGTTAACAGGCTGTATTAAAGATCTTCTGAATTAAATATT  
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GACAATAAAATTCTTAGAAGTTATAGGCATCTGAATAAAAGTGAACCAA  
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GAAAATCTGGGATTGAAGATGTGTCAAGAGATGTTGGTGGCAAGAACAT  
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TGACCTCTCATATACATTGTTGATCATATGCACCTCAATAAAACTGAGTC  
TCCAACAGAAATGAAACATTAAATATTGTTGATCATATGCACCTCAATAAAACTGAGTC  
AAGCGATATCTGGCAATAAAATAATAATATATTGTTAATAAAATGAATCA  
ACCACTTAATTCTGTAAATATCTGTAACCTCTCTGTCTTCCAAAAAC

Figure 1D

ACTCATAAGTACTGTGAATGAGATGAAAAAGAGTGAAGTAGGATATAGGCTG  
TTAGCAGAAAACATCTGAATGGCTGGCAGTGAACATTAACTGAAATGTAA  
GATTAATGAGTAATAGTAAATTAAACCTTGGCCATATGATAAAATGTTCAT  
AATATTTCTAGAATAACAGGGCTTTGTTTGCATGAGGTTGCAGGAT  
CTTGGTTCCCTGACCAGGGATCAAACCTGCACACCAGGGATCAAACCTGCA  
CTCCCCCTGGAAGCATGGAGTCTGGACATTGTATTACACTATCTTGGT  
TCCTTTAAAGGGAAAGTAATTTACTTAAATAAGAAAATAGATTGACAAGTAA  
TACG

Xho I (cloning

site)

CTGTTTCCTCATCTTCCCATTCACAGGAATCGCGATCCTCGAGGATCCGG  
ACC

CTTCCCTATTCTTGTAAAGTCTAAATTTACTAACTGTGCTGTTAACCTCTGAT  
GTTTGTATGATATTTGAGTAATTAAAGAGCCCTACAAAAAAATCAATAATGAAT  
GGTTCCAAAATAAGCATAGCTGAGATTAATGATTCTCAGCATTAGTTATAAAT  
AGAATAAGCTGAAAACCTCACCTCCCCCTCCACCACCAAGATCTCAATGTCT  
AGGCTTACCCATGGAGATTCTGATTAACGTGTTCTTCTATGTAGAAGAAAATT  
ATTGGGAAGAAATAATATAATGGACTATGATTTAATTGGTCTGTTGAGAATT  
AGATGAAGGGGATTAAGTTACAATAAGCCAGAATTAACTTGATAATCTCAT  
TTGGCTAAGAATAACAAACCTAAGAAGGTTGCTATTTCTACAATTTGAAG  
TTTTCCTTATGCACAATTATTCACCACATGACTCATTCACATCTGTTTG  
ATATATGAGCATATGAGGGCAAATACTGAAGATGCTTATTCAATACTCAG  
GGAAAATTTCTGCCAAAAGGCAGAAATTGTATAATTCAATTCACTATTTA  
TTTTTTTAATTAAAGGTCTAAGAGGATTCAAAGTGAATGCCCTCCTC  
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TATCTTTACATTTCATCTTGTGATAAGCCCCAATAGTAGCAATTCTATC  
AGTATACCAGCATAAAGATTAGTTAAATTATTTCACTGATTGACTGTTAT  
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TATATGGTGTGACAGATTGATTGGTTCTTCAATTGCCTATATCCTTATT  
ATTGATTGTAATCATTATAGAAAAACAAAATAATTCTTACTTTATGTA  
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CATTATGAGCTCAATTGTTATCTCACTTAAATTATATTGTCTTTAAT  
TCATGAGTCAAAATACAATCTCACAGTCAGATATGGACTAAAGGGGAA  
TAGCATATAGTTGATATTCTAAAGATATACATCTTGTGATCATGATTC  
AGCAGACATTAAATAAAACAATTCAAGTGAGCCGACACTGGCTCTAGAG  
GAATTTTATAACCTTAAGATAAGGCACAGCATGGTGTGTTGTAATAAGATT  
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CAAATTATGTATAAAATAATTCTGGAATTGTGATTATTATTCCTTAAGAAT  
CTATTCTAACCAAGTCATTCAATAAAATTAAACCTTAGGCATATTAAAGTTT  
CTTGTCTTATTATTTAAAGATGAAATTGGTCTCTTATTGTTAACTTAAA  
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CCTGGTTGAATCTCATCTGACATCACTGACACCAGTGCAGCAAGGACTAG  
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AACAACTATCATAAAAGGAGTATCTAAATGGCTGTCATTATTCACATGT  
TATTCTCTCTTAACTTGCTCCAATCCCATTATTCATGGGAACGTGCTT  
TATTGAAGATCACCAACAACTTTATTTACTAATCGTTGTTACCAACC  
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AATCCAGTCCCCAACTTGCTCAAATTAAACGTAATTCAAGTACAAAG  
GCAGCTGATATTGTATGCAATAGACCTGAATGGGAACCTCACAAAAGAAGT  
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TCACCAACTCCCAGAGTTACTCAGACTATGTCCATTGAGTTGATGCCA  
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CCAGCATCAGGGCTTTCCAATGAGTCAGCTTCGCATCAGGTGGCTAAA  
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AGAGTCTCTCCAACACACCAGTTCAAAGCATCAATTCTGGCACTCAGC  
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GGGACTGGATGCCACTATCTTAGTTCTGAATGTTGAGCTTAAGCCAGCC  
TTTTACTCTCTCTTCACTTCATCAAGAGGCTTTAGTTCTCTTCACCT  
TCTGCCATAAGGGTGGTGTCACTGCATATCTGAGGTTATTGATATTCT  
GGCAATTGATTCCAGGCTGCACCTTCCAGGCCAGTGTCTCATGATG  
TACTCTGCATATAAATTAAAGCAGAGTGAACATATACAGCCTGACATAC  
TCTTTCTCTATTGGAACCAAGTCTGTTGTCAGTCCAGTTCAACTGTTG  
TTTCCTGACCTGCATACAGGTTCTCAAGAGGCAAGTCAGGTGGCTGGT  
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CTTGCGATAGCCAATAAGCAGAAAGAGATGTTCTGGAACCTCTTAC  
TTTTTGATGATCCAGTGGATGTTGCAATTGATCTCTGTTCTGC  
TTCTAAAACAGCTTAAACATCTGGAAAGTTCATGGTCACGTAATAC  
TAATACAAAATGTCGAAAAACAAAGGAATGAAAGTAATGCT  
TAATATTACAGAAATTGTTAGTAGTAAAGAATTCACTGCAATACAGGAG  
AACCGGGTTAGATCCCTGGGTTGGAAGACCTCCTGGAGAAGGAAATGGCTA  
CCCAATCTAGTATTCTGTCGGAGAAGGCAAGAATGGACAGAGAAGCCCA  
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GCAAGCACGGTGCACGCGCGTGACACACACACACACACACACAGA  
CACACACACACTCTAAACATTTACCCAAAGCTTGTCCAATGGAAAATCAA  
AGCCAGCAATTAAAGATGACATCAGGTACCACTGTCAGGTAAGCCTCAGA  
ACACAAATGACCAAGTAAGAAGCAAAGTGCATATGAGCAACTCGA  
AATGTTACCTAAGAGCTCCATTGTTATAATGCAAAAGAATTCA  
AATTGTTAGATAACCCTGAATGAGGAGCAAGATATAGTC  
CTCTAGTACTATTTTATAAGCATGATTGTTGAGCCAAAGGTTCTCC  
ATGGCCAATGAAACTGAAATATGCAAGTCAGTCAGGATTG  
GAAACCAAGTAAATAATCCTCAAGAAAGAAATCAATAGAAAAGTGGATG

Figure 1F

AAGAGTACAATAAAGGGACCAAAAATATTCAAGAAATAAGAACTAGAGGAGAT  
ATTGGGAAATCCTGGTAGTCAGTTAGGATTTGTACTTCACTGCAGT  
TGGCATGGATATAATCCCTCACTGGGAACTAAGATCCCATAAGCTGTGTTG  
GATTGCCAAAAAAATAAATTAAGAGATATCATTCAAGAATAATTAAAGAT  
ATTAGAGAAGAGGAATTAAGGATGTGAGAATTGTATTACTTTCAAGA  
TACTAAAGCTATTAGAGATAGAGCTGTTACTAAAAACTTCAGTTCCCTAAA  
ATTATTGAAGCACTGTTAATAAATTCCAAAATATAGAGGAAGGAAACAAA  
ATACTGAGGATTCAATAATGATTCAGATTAGAAACAAATATAACACAGAATT  
AGTGAATTCTGACAAATTAGGTAGGAGTAGATAGTTCAAGCATTACTCGT  
ATAGATGGAGTATTAACTCCTTCCATGAGATTATCCAATATAATAATTG  
TATCTATGTGAAGTATAACTATTAAAGATTACTTATAAAAGTAAATCAAGAAC  
AGAGAATAAGAAAATGTTTGTGAACCAGCAGATACTATGAACACATAAAA  
CTCAGAACCTGATTCTAAGACACACAGCTAATCCTGATTATTCTCCTTA  
CATGTGACCATAGAACTCACACAAGTTCAAGATAACATTGTTGAGCACATC  
AGTATCAGTCAGTCAGTCAGTCATGTCCGAATCTTGTGACCTTGACT  
GCAGCACGCCAGGCTTCTGTCCACCACCAACCCCTGGAGCTACTCAA  
CTCATGTCCATTGAGTCAGTCACTCCATCCAACCCTCATCCTCTGTCA  
CTCTCTCCTGCCTTCAATCTTCCAGACATTGGAGTCTTCCAATGAGTC  
AGATCTCACATTAGGTGGCAAAGTATAAGGAGTTCAAGCAGCATCAAT  
CCTTCCAATGAATATTCTTGATGTACCCCTTCAGTTGGAACCAGTCT  
GTTGTTCCATGTCCAGTCTAACTGCTGCTCTGGACCTGTATACAGATTCT  
CAGGAGGCAGGTAAAGTGGTCTGGTATTCCATCTTGAAGAATTTCAC  
AGTTTATTGTGATCCACACAATCAAAGGCTTAGCGTAGTCATAAAAGCAGA  
TGTTTTCTGGAACCTCTCGTGTCTTTGATGATCCAATGGATGTTGGCAATT  
TGATCTCTGGTCTCTGCCTTCTAAATCCAGCTGAACATCTGGAAAGTTC  
ATGGTCCACGTACTGTTGAAGCCTGGCTGGAGAATTGAGAGTTATTG  
CTAGCATGTGAGATGAGTGCATCATGTGGGTGTTGAACATACTTGTCA  
TGCTTTCTTGGATTGTGGCAGTCCTGTGCCACTGCTGAGTTCCAAA  
TTTGCTGACATATTGAGTGCAGCACTTCACAGCATCACCTTAAGATTG  
AATAGCTCAACTGGAATTCCATCACCTCACTAGCTTGTCAAGTGGAGC  
TTCTAAGGCCGTTGACTTGCA

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TTCCAGGGTGTCTGGCTCTAGGTGAGTGATCCGTTGACCTGCAGCGGCCGA  
GTCGACTCGGCCCGAATTCTTGAAGACGAAAGGGCCTCGTGAACCGCTA  
TTTTATAGGTTAATGTCATGATAATAATGGTTCTAGACGTCAAGGTGGC  
TTTCGGGAAATGTGCCGGAACCCCTATTGTTATTCTAAATACATT  
CAAATATGTATCCGCTCATGAGACAATAACCCGTATAATGCTCAATAATAT  
TGAAAAGGAAGAGTATGAGTATTCAACATTCCGTGTCGCCCTATTCCCT  
TTTGCGGCATTTGCCTCTGCTTGTACCCAGAAACGCTGGTGA  
AGTAAAAGATGCTGAAGATCAGTGGGTGCACGAGTGGTTACATCGAACT  
GGATCTCAACAGCGGTAAGATCCTTGAGAGTTCGCCCCGAAGAACGTTT  
TCCAATGATGAGCACTTTAAAGTTCTGCTATGTGGCGCGTATTATCCGT  
GTTGACGCCGGCAAGAGCAACTCGTCGCCGATACACTATTCTAGAAAT  
GACTTGGTTGAGTACTCACCAGTCACAGAAAAGCATCTACGGATGGCATG  
ACAGTAAGAGAAATTATGAGTGCAGTGCCTAACCAGTGAACACTGCG  
GCCAACTTACTCTGACAAACGATCGGAGGACGAAGGAGCTAACCGCTTT  
TTGCACAAACATGGGGATCATGTAACTCGCCCTGATCGTTGGAACCGGAG  
CTGAATGAAGCCATACCAAACGACGAGCGTGACACCACGATGCCCTGCAGCA  
ATGGCAACAACGTTGCGAAACTATTAACTGGCGAACTACTTACTCTAGCTT  
CCCGGCAACAATTAAATAGACTGGATGGAGGGCGATAAAGTTGCAGGACCAC  
TTCTGCGCTCGGCCCTTCCGGCTGGCTGGTTATTGCTGATAATCTGGAG  
CCGGTGAGCGTGGGTCTCGCGGTATCATTGAGCAGTGGGCCAGATGGT  
AAGCCCTCCGTATCGTAGTTACACAGACGGGAGTCAGGCAACTATG  
GATGAACGAAATAGACAGATCGCTGAGATAGGTGCCTCACTGATTAAGCATT  
GGTAACTGTCAGACCAAGTTACTCATATATACTTAGATTGATTTAAAAC  
CATTTTAATTAAAAGGATCTAGGTGAAGATCCTTTGATAATCTCATGAC  
AAAATCCCTAACGTGAGTTCTGTTCACTGAGCGTCAGACCCGTAGAA

Figure 16

AAGATCAAAGGATCTTCTTGAGATCCTTTCTGCGCGTAATCTGCTGCTT  
GCAAACAAAAAACCACCGCTACCAGCGGTGGTTGTTGCCGGATCAAGA  
GCTACCAACTCTTCCGAAGGTAACGGCTCAGCAGAGCGCAGATAAC  
AAATACTGTCCTCTAGTGTAGCCGTAGTTAGGCCACCACTCAAGAACTCT  
GTAGCACCGCCTACATACCTCGCTCTGCTAACCTGTTACCAAGTGGCTGCT  
GCCAGTGGCGATAAGTCGTGCTTACCGGGTGGACTCAAGACGATAGTTA  
CCGGATAAGGCGCAGCGTCGGGCTGAACGGGGGTTCGTGCACACAGC  
CCAGCTGGAGCGAACGACCTACACCGAAGTGGAGATACCTACAGCGTGAGC  
TATGAGAAAGGCCACGCTTCCCAGAGGGAGAAAGGCCAGGGTATCCG  
GTAAGCGGCAGGGTCGGAACAGGAGAGCGCACGAGGGAGCTCCAGGGG  
GAAACGCCTGGTATCTTATAGTCCTGTCGGGTTTCGCCACCTCTGACTTGA  
GCGTCGATTGGTATCTGATGCTCGTCAGGGGGCGGAGCCTATGGAAAACG  
CCAGCAACCGCGCCTTTACGGTTCCCTGGCCTTTGCTGGCCTTTGCTG  
GCCTTTGCTCACATGTTCTTCCTGCGTTATCCCCGATTCTGTGGATAAC  
CGTATTACCGCCTTGAGTGAGCTGATACCGCTCGCCGAGCGAACGACC  
GAGCGCAGCGAGTCAGTGAGCGAGGAAGCGGAAGAGCGCTGACTCCGC  
GTTTCCAGACTTACGAAACACGAAACCGAAGACCATTCATGTTGCTC  
AGGTCGCAGACGTTTGAGCAGCAGTCGCTCACGTTGCTCGTGTATCG  
GTGATTCTGCTAACCAAGTAAGGCAACCCGCCAGCCTAGCCGGTCC  
TCAACGACAGGAGCACGATCATGCGCACCGTCAGATCCAGACATGATAAG  
ATACATTGATGAGTTGGACAAACACAACACTAGAATGCACTGAAAAAAATGC  
TTTATTGAAATTGATGCTATTGCTTATTGTAACCATTATAAGCTGC  
AATAAACAAAGTTAACACAAACAATTGCATTCAATTATGTTCAAGGTTCAAGGG  
GGAGGTTGAGGTTAAAGCAAGTAAACCTCTACAAATGTGGTATG  
GCTGATTATGATCTAGTCAGGCACTATACATCAAATATTCTTATTAACC  
CTTTACAAATTAAAAGCTAAAGGTACACAATTGGAGCATAGTTATTAAAT  
AGCAGACACTCTATGCCTGTTGAGTAAGAAAAACAGTATGTTATGATTA  
TAACTGTTATGCCTACTTATAAAGGTTACAGAATATTTCATAATTCTTG  
TATAGCAGTGCAGCTTCCCTTGTGGTAAATAGCAAAGCAAGCAAGAG  
TTCTTACTAAACACAGCATGACTAAAAACTTAGCAATTCTGAAGGAAAG  
TCCTTGGGTCTTCTACCTTCTCTTGTGGAGTAGAATGTTGAGA  
GTCAGCAGTAGCCTCATCACAGTCAGATGGCATTCTCTGAGCAAACAGG  
TTTCCTCATTAAAGGCATTCCACCACTGCTCCCATTCACTAGTTCCATAGGT  
TGGAACTAAAATACACAAACAATTAGAATCAGTAGTTAACACATTACAC  
TTAAAATTTATATTACCTTAGAGCTTAAATCTGTAGGTAGTTGTC  
ATTATGTCACACCACAGAAGTAAGGTTCTCACAAAGATCCGGACCAAAGC  
GGCCATCGGCCCTCCCCACTCCTGCAGTTCGGGGCATGGATGCGCGGAT  
AGCCGCTGCTGGTTCTGGATGCCGACGGATTGCACTGCCGTAGAACT  
CCCGCAGGTCGTCCAGCCTCAGGAGCAGCTGAACCAACTCGCGAGGGGA  
TCGAGCCCAGGGTGGCGAAGAACTCCAGCATGAGATCCCCGCGTGGAG  
GATCATCCAGCCGGCTCCCGAAAACGATTCCGAAGCCAACCTTCATA  
GAAGGCGCGGGTGGAAATCGAAATCTCGTGTGGCAGGTTGGCGTCT  
GGTCGGTCATTGAAACCCAGAGTCCCCTCAGAAGAACTCGTCAAGAAG  
GCGATAGAAGCGATGCGCTGCAATGGAGCGCGATACCGTAAAGCA  
CGAGGAAGCGGTCAGCCATTGCCGCAAGCTCTCAGCAATATCACGG  
GTAGCCAACGCTATGTCCTGATAGCGGTCCGCCACACCCAGCCGCCACA  
GTCGATGAATCCAGAAAAGCGGCCATTTCACCATGATATTGGCAAGCA  
GGCATGCCATGGTCACGACGAGATCCTCGCCGTCGGGATGCGCGCCT  
TGAGCCTGGCGAACAGTTCGGCTGGCGAGCCCTGATGCTCTCGTCC  
AGATCATCTGATCGACAAGACGGCTTCATCCGAGTACGTGCTCGCTCG  
ATGCGATGTTGCTGGTGAATGGCAGGTAGCCGGATCAAGCGTA  
TGCAGCCGCCATTGCATGCCATGATGGATACTTCTCGGCAGGAGCA  
AGGTGAGATGACAGGAGATCCTGCCCGCACTCGCCCAATAGCAGCCA  
GTCCCTCCGCTTCAGTGACAACGTCGAGCACAGCTGCGCAAGGAACGC  
CCGTCGTTGGCCAGCCACGATAGCCGCGTCGCTCGCCTGCAAGTTCAATTCA  
GGGCACCGGACAGGTCGGTCTTGACAAAAGAACCGGGCGCCCTGCGCT  
GACAGCCGAACACGGCGCATCAGAGCAGCCGATTGTCTGTTGCCCCA  
GTCAAGCCGAATAGCCTCTCCACCAAGCGGCCGAGAACCTGCGTGCA

Figure 1H

ATCCATCTTGTCAATCATGCGAACGATCCTCATCCTGTCCTTGATCAGAT  
CTTGATCCCCTGCGCCATCAGATCCTTGGCGCAAGAAAGCAGATCCAGTT  
ACTTTGCAGGGCTTCCAAACCTTACAGAGGGCGCCAGCTGGCAATTCC  
GGTTCGCTTGCTGCCATAAAACCGCCCAGTCTAGCTATGCCATGTAAGC  
CCACTGCAAGCTACCTGCTTCTCTTGCGCTTGCGTTTCCCTGTCAGA  
TAGCCCAGTAGCTGACATTCATCCGGGTAGCACCGTTCTGCGGACTGG  
CTTTCTACGTGTTCCGCTTCTAGCAGCCCTGCGCCCTGAGTGCTTGCG  
GCAGCGTGAAGCTTTGCAAAGCCTAGGCCTCCAAAAAGCCTCCTCAC  
TACTTCTGGAATAGCTCAGAGGCCAGGGCGCTCGGCCTGCATAAATA  
AAAAAAATTAGTCAGCCATGGGGCGGAGAATGGGCGGAATGGGCGGAGT  
TAGGGCGGGATGGCGGAGTTAGGGCGGGACTATGGTGTGACTAAT  
TGAGATGCATGCTTGCATACTCTGCTGCTGGGGAGCCTGGGACTTC  
CACACCTGGTTGCTGACTAATTGAGATGCATGCTTGCATACTCTGCCTGC  
TGGGGAGCCTGGGACTTCCACACCTAATGACACACATTCCACAGCCG  
GATCTGCAGGACCCAACGCTGCCCGAGATGCGCCGCGTGCCTGCTGGA  
GATGGCGGACGCGATGGATATGTTCTGCCAAGGGTGGTTGCGCATTAC  
AGTTCTCCGCAAGAATTGATTGGCTCCAATTCTGGAGTGGTAATCCGTTA  
GCGAGGTGCCGGCTTCCATTAGGTGAGGTGGCCCGGCTCCATGCA  
CCGCGACGCAACGCCGGGAGGCAGACAAGGTATAGGGCGGCCTACAA  
TCCATGCCAACCCGTTCCATGTGCTGCCAGGGCCTAAATGCCGTGA  
CGATCAGCGGTCCAATGATCGAAGTTAGGCTGGTAAGAGCCGAGCGAT  
CCTTGAAGCTGTCCTGATGGTCGTATCACCTGCCCTGGACAGCATGCC  
TGCAACGCCGGCATCCCGATGCCCGGAAGCGAGAAGAAATCATATGGG  
GAAGGCCATCCAGCCTCGCGTGCAGCAACGCCAGCAAGACGTAGCCCAGCG  
CGTCGGCCGCCATGCCGGCGATAATGCCCTGCTCTGCCGAAACGTTG  
GTGGCGGGACCAGTGACGAAGGCTTGAGCGAGGGCGTGCAAGATTCCGAA  
TACCGCAAGCGACAGGCCGATCATGTCGGCTCCAGCGAAAGCGGTCT  
CGCCGAAAATGACCCAGAGCGCTGCCGACCTGCTTACGAGTTGCATG  
ATAAAAGAAGACAGTCATAAGTGGCGACGGATAGTCATGCCCGGCCAC  
CGGAAGGAGCTGACTGGGTTGAAGGCTCTCAAGGGCATCGTCGAGGAAC  
TTTCGGCGGCTTGTGCGACAGGCTCACGTCTAAAGGAAATAATCAT  
GGGTCAAAAAATTATCACGTTGTCGGCGGGCGACGGATGTTCTGTATGC  
GCTGTTTCCGTTGGCGTTGCTGTGATCTGCCCTAAATCTGCAC  
AGCCGAATTGCGCAGCTGGTTGGAAACCGACACACAGCAACTGAA  
TACCAAGAAAAGAAAATCACTTGCCTTCTGACATCAGAAGGGCAGAAATTG  
CCGTTGAACACCTGGTCAATACGCGTTGGTGAAGCAGCAATATTGCGCTTC  
GATGAGCCTGGCGTTGAGATTGATACTCTGCTGCACAAAGGCAATCGA  
CCGAGCTGGACCAGCGCATTGTCGACACCGTCTCCCTCGAACATTATCGCA  
ATGGAGTGTCAATTGATCAAGGACNGCCTGATCGCAAATGGTGTATCCACG  
CAGCGGCAATCGAAAACCTCAGCCGGTGACCAATATCTACAACATCAGCC  
TTGGTATCCTGCGTGATGAGCCAGCGCAGAACAGTAACCGTCAGTGGCG  
ATAAGTCAAAAGTTAACCTGGTGTGATACCAACATTGAAACGTTGATCGA  
AAACCGCCTGAAAAACGCTGCTGAATGTGCGCGCTGGATGTCACAAAGCA  
AATGGCAGCAGACAAGAAAGCGATGGATGAACTGGCTTCTATGTCCGCAC  
GCCCATCATGATGGAATGTTCCCCGGTGGTGTATCTGGCAGCAGTGGCG  
TCGATAGTATGCAATTGATAATTATCATTTGCCGGTCCCTTCCGGCGATC  
CGCCTGTTACGGGGCGGCGACCTCGCGGGTTTCGCTATTATGAAAATT  
TTCCGGTTAACCGTTCCGTTCTCGTCATAACTTAATGTTTATTAA  
AAATACCTCTGAAAAGAAAGGAAACGACAGGTGCTGAAAGCGAGCTTTT  
GGCCTCTGCTGTTCTCTGTTGTCGGTGGAAATGAAACAATGGAAG  
TCAACAAAAGCAGACGTATCTAGACACGTCAGTCTGAAAGCTAGCTCGAGGAAC  
TTTCGGCGGCTTGTGCGACAGGCTCACGTCTAAAGGAAATAATCAT  
GGGTCAAAAAATTATCACGTTGTCGGCGGGCGACGGATGTTCTGTATGC  
GCTGTTTCCGTTGGCGTTGCTGTGATCTGCCCTAAATCTGCAC  
AGCCGAATTGCGCAGCTGGTTGCTGAAACCGACACACAGCAACTGAA  
TACCAAGAAAAGAAAATCACTTGCCTTCTGACATCAGAAGGGCAGAAATTG  
CCGTTGAACACCTGGTCAATACGCGTTGGTGAAGCAGCAATATTGCGCTTC  
GATGAGCCTGGCGTTGAGATTGATACTCTGCTGCACAAAGGCAATCGA

Figure 11

CCGAGCTGGACCAGCGCATTGTGACACCGTCTCCTCGAACTTATCGCA  
ATGGAGTGTCAATTGATCAAGGACNGCCTGATCGCAAATGGTGCTATCCACG  
CAGCGGCAATCGAAAACCTCAGCCGGTGACCAATATCTACAACATCAGCC  
TTGGTATCCTGGTGTGAGCCAGCGCAGAACAAAGGTAACCGTCAGGCCCG  
ATAAGTTCAAAGTTAACCTGGTGTGATACCAACATTGAAACGTTGATCGA  
AAACCGCCTGAAAAACGCTGCTGAATGTGCGGGCGTGGATGTCACAAAGCA  
AATGGCAGCAGACAAGAAAGCGATGGATGAACTGGCTTCATGTCCGCAC  
GGCCATCATGATGGAATGTTCCCCGGTGGTGTATCTGGCAGCAGTCCCG  
TCGATAGTATGCAATTGATAATTATTATCATTTGCGGGTCTTCCGGCGATC  
CGCCTGTTACGGGGCGGCACCTCGCAGGGTTTCGCTATTATGAAAATT  
TTCCGGTTAACGGGTTCCGTTCTCGTCAATACTTAAATGTTTTATTAA  
AAATACCCCTCTGAAAAGAAAGGAAACGACAGGTGCTGAAAGCGAGCTTTT  
GGCCTGTCGTTCTCTGTTTGTCCGTGGAATGAAACAATGGAAG  
TCAACAAAAAGCAGAGCTTATCGATGATAAGCGGTAAACATGAGAATTC

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